KENWOOD

WORLD CLOCK

MODEL HC-10

INSTRUCTION MANUAL

Your new Model HC-10 World Clock has been carefully engineered and manufactured under rigid quality standards, and should give you satisfactory and dependable operation for many years.
Before using, we suggest that you read through this instruction manual to become acquainted with correct operation.
Should any trouble arise with the unit, please contact your dealer, or the nearest KENWOOD service facility.

■ SAFETY PRECAUTIONS

* Handle the power cord gently. When disconnecting the cord, be sure to hold the body of the plug. Do not pull the cord.
* Do not attempt to open the case, as it can result in electric shock hazards.
* To prevent any possibility of trouble, keep the clock free of water and dust.

■ HANDLING PRECAUTIONS

* Do not expose the clock to direct sunlight. Avoid using the clock in locations near heat producing equipment such as an electric heater. Select a location free of extremely high and low temperatures, humidity, dust, vibration, etc.
* To clean the case, use a soft dry cloth. To remove obstinate dirt, use a soft cloth moistened with soap and water. Never use cleaning solvents such as thinner, benzine or alcohol, as it can damage the surfaces of the case.

Note: If you wish to set GMT on the right side in the display, calculate GMT from the WORLD MAP and WORLD TIME TABLE and set it in the step I. ADJUSTMENT OF THE TIME.
(The MEMORY function can be applied to GMT by this way.)

■ OPERATION

Cautions

* Time is displayed on 24-hour basis.
* GMT time difference can be set at one hour intervals.
* The clock stops operating when power failure occurs or the power cord is disconnected. Reset the clock.
* Correction in intercalary month:

  In February the display advances from 28th February to 1st March. In the case of a intercalary month, the display should be set manually to 29th February. The display will advance automatically to 1st March.

I. ADJUSTMENT OF THE TIME

Example: If you wish to set the display to 2:30.00 PM, Tuesday, 10th July, proceed as follows:

Procedure:

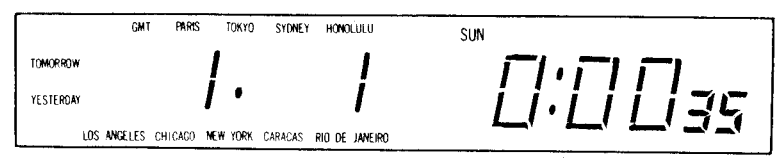
1. Connect the power cord.

The display will flicker (Note 1).

2. Press START/LOCAL DATE key.

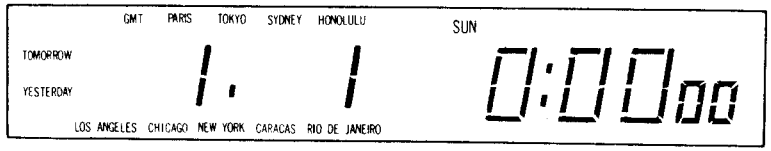
The second digits will advance. (Note 2)

3. Press LOCAL SET key (also press keys from procedure No. 4 through No. 9 while holding LOCAL SET key down).



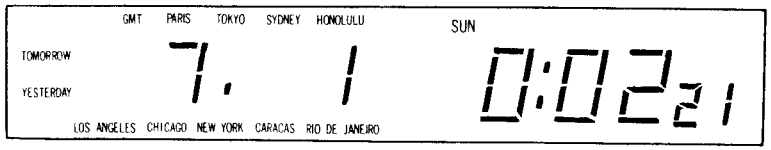
When only LOCAL SET key is pressed, the display remains unchanged.

4. Press SECOND key (press the key to the time signal from a radio station).



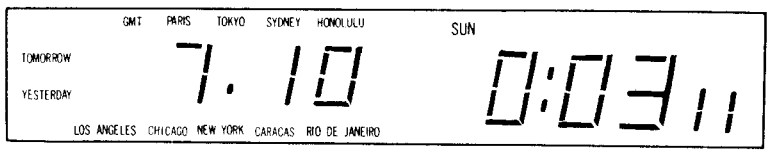
The second digits are set to '00" (Note 3).

5. Press MONTH key.



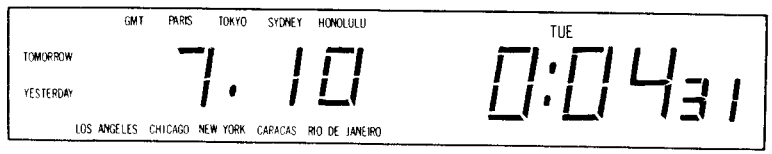
Press the key repeatedly until "7" is displayed. (Note 5).

6. Press DATE key.



Press the key repeatedly until "10" is displayed.

7. Press DAY key.

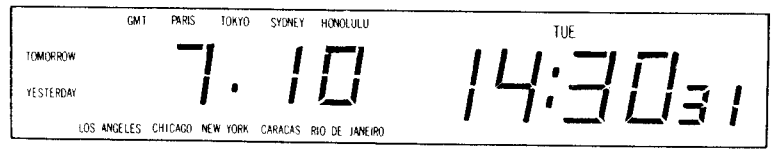


Press the key repeatedly until "TUE" is displayed.

8. Press HOUR key.

Press the key repeatedly until "14" is displayed (Note 4).

9. Press MINUTE key.



Press the key repeatedly until "30" is displayed.

Note 1. When the power cord is connected or power failure is recovered, the clock is set to 1. 1 SUN 0 : 00 00 and starts flickering, indicating that the clock needs to be reset to the correct date and time.

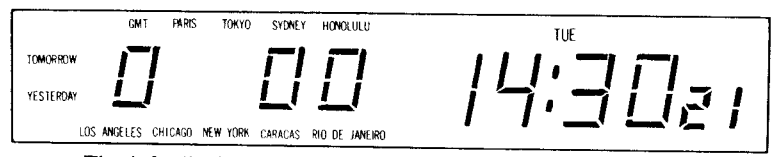
2. To adjust the time, first press START/LOCAL DATE key and, while holding it down, press the keys from procedure No. 3 through No. 9.
3. By pressing SECOND key, the second digits are set to "00". In the case where the second indication is 30–59, it is also set to "00" but the minute digits advances one minute.
4. Time is displayed on 24-hour basis.
5. In the calendar display, the lower colon on the left display will light.

II. ADJUSTMENT OF THE DIFFERENCE BETWEEN PARIS TIME AND GMT

Example: For setting the difference between Paris time and GMT, proceed as follows. Note that Paris time is 1 hours ahead of GMT (refer to the World's Time Table).

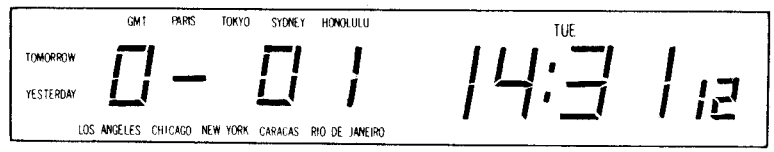
Procedure:

1. Press LOCAL key.



The left display indicates 0 00.

2. Press DIFF key 1 time.



Press the key repeatedly until the display indicates 0-0 1.

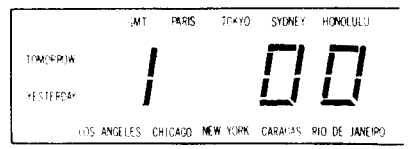
III. ADJUSTMENT OF THE DIFFERENCE IN TIME OF ANY CITY OF COUNTRY.

(a) Example: For setting the time difference in Christchurch in CITY 1, proceed as follows. Note that the Christchurch time is 12 hours ahead GMT (refer to the World's Time Table).

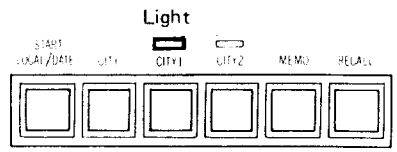
Procedure:

1. Press CITY 1/2 key (Note 1).

The left display indicates 1 00.

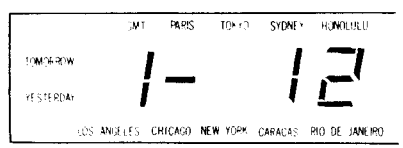


The LED on CITY 1 key will light.

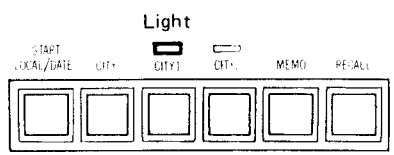


2. Press DIFF key.

Press the key repeatedly until the left display indicates 1 - 1 2



The LED on CITY 1 key remains lighting.

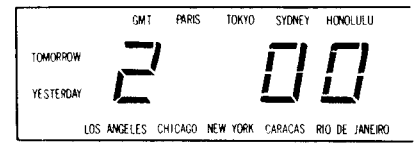


(b) Example: For setting the time difference in Anchorage in CITY 2, proceed as follows. Note that the Anchorage time is 10 hours behind GMT (refer to the World's Time Table).

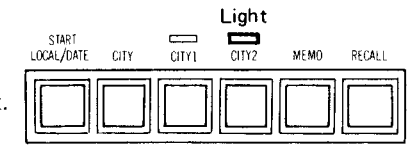
Procedure:

1. Press CITY 1/2 key.

The left display indicates 2 00.

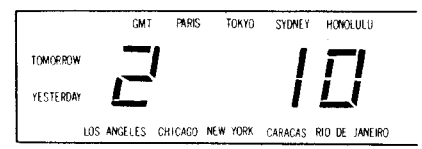


The LED on CITY 2 key will light.

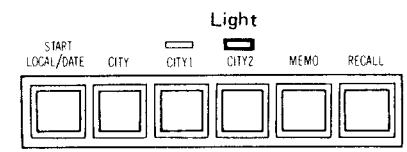


2. Press DIFF key

Press the key repeatedly until the display indicates 2 10.



The LED on CITY 2 key remains lighting.



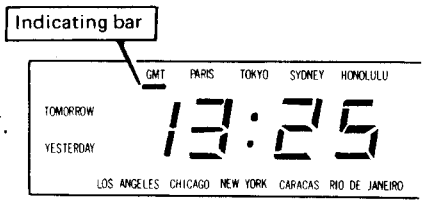
Note 1. By pressing CITY 1/2 key, the extreme left digit of the left display indicates 1, 2, 1, 2 . . . alternately. The LED on CITY 1 or CITY 2 key lights at the same time.

2. The clock indicates GMT unless it is set to the desired time difference.

IV. DISPLAYING THE TIME OF 10 CITIES (COUNTRIES) PRINTED ON THE INDICATING WINDOW

1. Press CITY key.

The illustration shows 13:25 GMT.

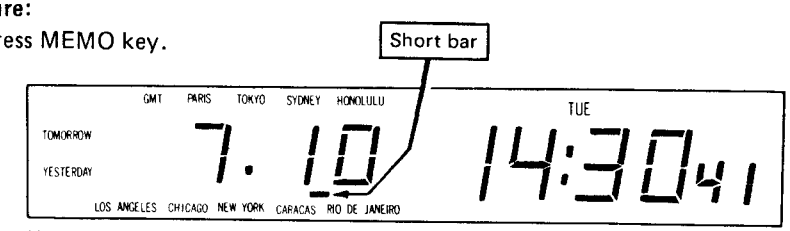


Note 1. The time of the cities printed on the indicating window are displayed at each press of the key. The names of cities are also indicated by the lights of indicating bars.

V. STORING THE TIME IN MEMORY

Procedure:

1. Press MEMO key.



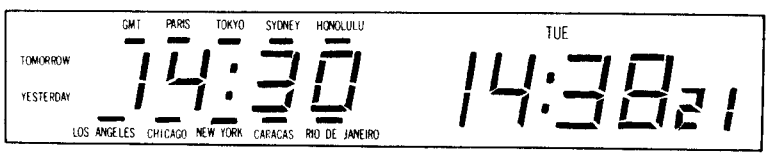
With MEMO key pressed, the short bar under the extreme right digit of the left display is illuminated.

Note 1. The MEMO key functions regardless of the indication on the left display.

VI. DISPLAYING THE STORED TIME

Procedure:

1. Press RECALL key.



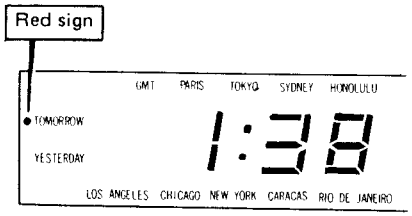
The hour and minute are indicated on the left display together with 5 bars above and below the digits (the illustration shows 14:30).

VII. DISPLAYING CITY 1 ITME

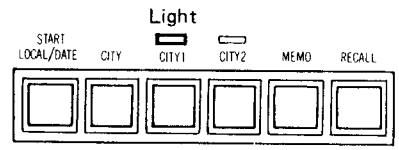
Procedure:

1. Press CITY 1 key.

The illustration shows 1:38 TOMORROW.



The LED on CITY 1 Key will light.

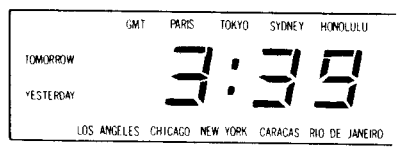


VIII. DISPLAYING CITY 2 TIME

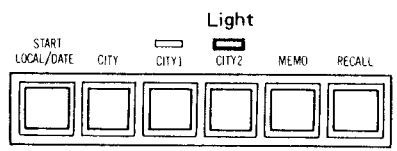
Procedure:

1. Press CITY 2 key.

The illustration shows 3:39, on the same day.

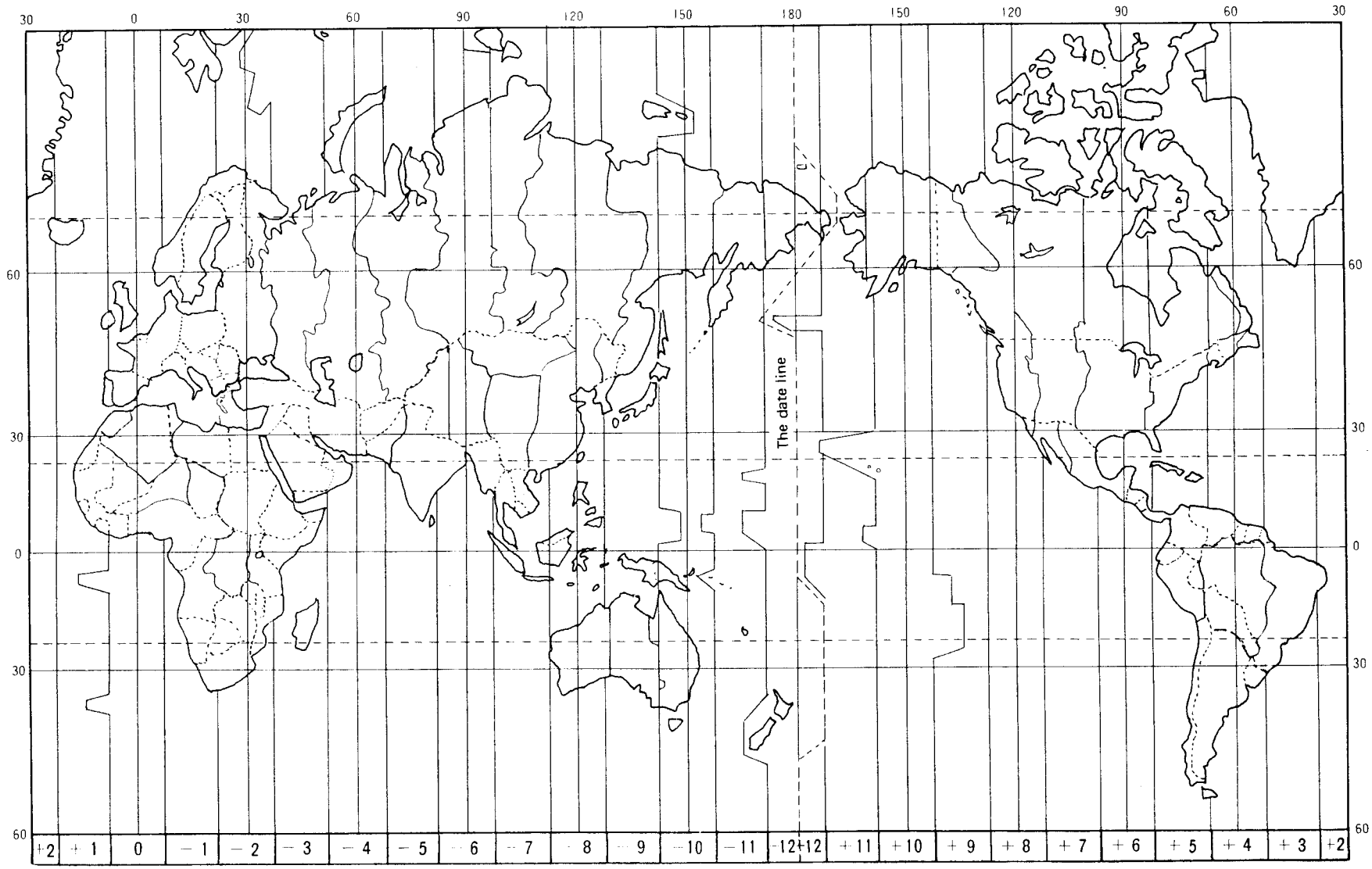


The LED on CITY 2 key will light.



Note 1. Changes of day are indicated by the round LED at the extreme left of the left display. The day remains unchanged when the LED is not lighted.

WORLD MAP



The (−) symbol means that the time is ahead of GMT and the (+) symbol behind GMT.

WORLD'S TIME TABLE

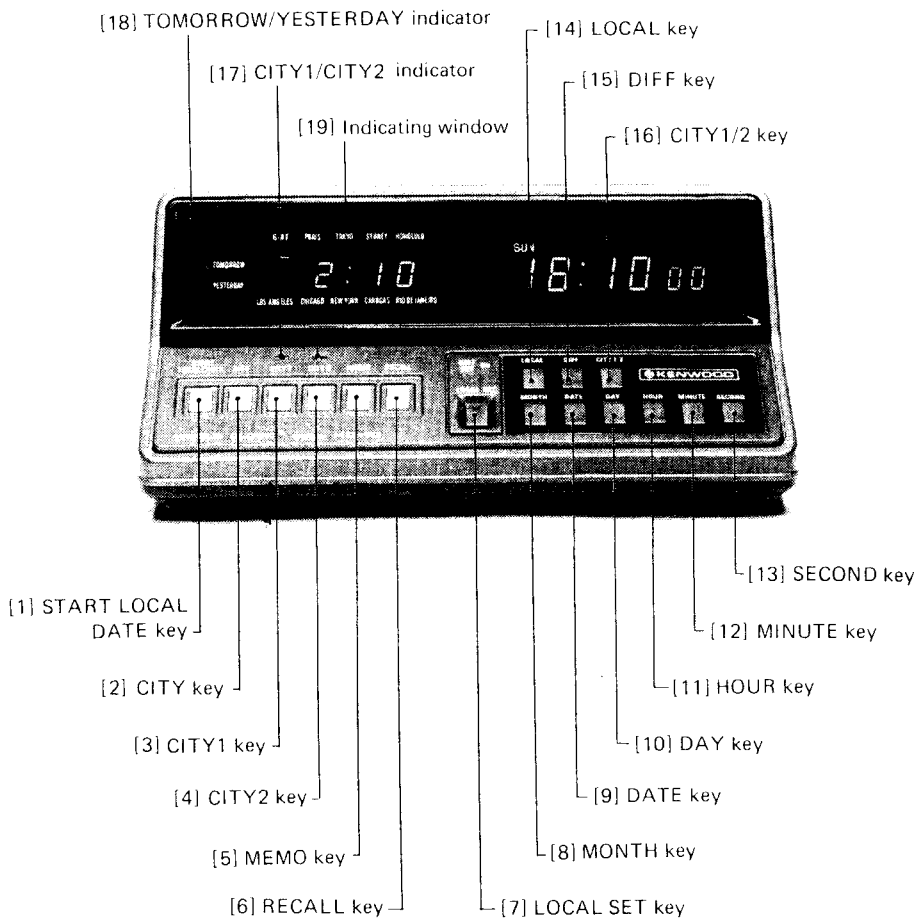
The (−) symbol means that the time is ahead of GMT and the (+) symbol behind GMT.
The asterisk * indicates cities employing summer time system.

−12 0 0	Siberia (157°5–172°5 EL), New Zealand, Fiji Islands
−11 0 0	Sakhalin, Siberia (142°5–157°5 EL)
−10 0 0	Australia (east), Siberia (127°5–142°5 EL), Tasmania, New Guinea (exclusive of Indonesia)
− 9 3 0	Australia (middle)
− 9 0 0	(Central Japan time) − Siberia (112°5–127°5 EL), Korea, West Irian, Japan, Moluccas Islands
−8 0 0	Timor (Indonesia), Borneo (Indonesia), Australia (West), Sarawak, , Siberia (97°5–112°5 EL), Celebes, Taiwan, China, Philippine, Timor or Portugal, Hong Kong*, Macau*, Vietnam.
−7 3 0	Singapore, Mayaya
−7 0 0	Cambodia, Siberia (82°5–97°5 EL), Java, Sumatra, Thailand, Bali, Bangka, Masuli, Laos, Lombok
−6 3 0	Burma
−6 0 0	Siberia (67°5–82°5 EL), Bangladesh
−5 3 0	India, Ceylon
−5 0 0	Soviet Russia (52°5 EL and above), Siberia (67°5 EL and below), Pakistan, Novaya, Zemlya, Maldive
−4 3 0	Afghanistan
−4 0 0	Soviet Russia (40°0–52°5 EL), Sharja, Saudi Arabia (Dhahran), Masqat, Oman, Mauritius, Reunion
−3 3 0	Iran
−3 0 0	Yemen, Iraq, Uganda, Ethiopia, Soviet Russia (40°0 EL and below), Kuwait, Kenya, Saudi Arabia (exclusive of Dhahran), Somalia, Tanzania, Madagascar
−2 0 0	(East Europe time) − Israel, Egypt*, Kypros, Greece, Creta, Zambia, Syria*, Sudan*, Swaziland, Turkey*, South Africa, South-west Africa, Zaire (east), Finland, Bulgaria, Botswana,Mallawi, Mozambique, Jordan, Libya, Luanda, Romania, Lebanon*, Lesotho, Rhodesia
−1 0 0	(Central Europe time) − Albania*, Angola, Andorra, Italia*, Vatican*, Austria, Holland, Gabon, Cameroun, Corsica*, Congo, Zaire (West) , Sardegna, San Marino, Sicilia*, Gibraltar, Swiss, Sweden, Spain, Spitsbergen, Equatorial Guinea, Dahomey, Czechoslovakia, Tchad, Central Africa, Tunisia*, Denmark, Germany, Nigeria, Niger, Norway, Hungary, France, Belgium, Poland, Malta, Monaco, Yugoslavia, Liechtenstein, Luxembourg

0 0 0	(West Europe time) GMT − Iceland, Ireland*, Algeria, England*, Haute-Volta, Ghana, Canarias Islands, Gambia, Guinea, Sierra Leone, Sahara (Spain), Senegal, Cote d'Ivoire, Togo, Portugal, Madeira, Mali, Mauritania, Morocco
+0 4 4	Liberia
+1 0 0	Azores, Guinea of Portugal
+2 0 0	Greenland (Scoresby Sound)
+3 0 0	Argentine, Uruguay*, Greenland (Scoresby Sound and Tulle excluded), Guiana (France), Brazil (east)*
+3 3 0	Canada (east and Newfoundland)* Guiana (Netherlands)
+3 4 5	Guyana
+4 0 0	(North America, Inter colony time) − Windward Islands, Canada (east)*, Curacao, Guadeloupe, Greenland (Tulle), Chili*, Tobago, Trinidad, Bermuda, Barbados, Paraguay, Brasil (middle), Puerto Rico, Venezuela, Bolivia, Martinique
+5 0 0	(North America, east time) − Ecuador, Canada (east)*, Cuba*, Columbia,Jamaica,Dominica, Haiti, Panama, Brasil (west), America (east),Peru
+6 0 0	(North America, central time)− Honduras (England), Canada, (middle)*, Guatemala, Costa Rica, Salvador, Nicaragua, America (middle)*, Honduras, Mexico (exclusive of west-north)
+7 0 0	(North America, mountain time) − Canada (middle)*, America (mountains)*, Mexico (west-north)
+8 0 0	(North America, Pacific Ocean time) − Alaska (137° WL and below), Canada (west)*, America (Pacific Ocean)*, Mexico (west-north)
+9 0 0	Alaska (137°–141° WL)
+10 0 0	Alaska (141°–162° WL), Hawaii
+11 0 0	Alaska (162° WL and below)

Note : GMT time difference of this clock is set at one hour intervals.

■ OPERATING PARTS



■ FUNCTIONS OF OPERATING KEYS

	Names of Keys	Function
1	START/LOCAL DATE	Press this key, and the "power failure" sign goes off and the calendar (month and day) is displayed.
2	CITY	Press this key to display the time of 10 cities designated.
3	CITY 1	Press this key to call for the time of the preset CITY 1.
4	CITY 2	Press this key to call for the time of the preset CITY 2.
5	MEMO	Press this key to store the actual time in the memory.
6	RECALL	Press this key to recall the time stored in the memory.
7	LOCAL SET	When setting day and time (month, date, day of week, hour, minute, second), press this key together with the keys [8] through [13].
8	MONTH	Press this key for setting "month".
9	DATE	Press this key for setting "day".
10	DAY	Press this key for setting "day of week".
11	HOUR	Press this key for setting "hour".
12	MINUTE	Press this key for setting "minute".
13	SECOND	Press this key for setting "second" to "00".
14	LOCAL	Press this key for setting the hour difference between a city (country) time and GMT.
15	DIFF	Press this key for setting the difference between a city time and GMT (First press the LOCAL (14) or CITY1/2(16) key so that a sign of "0 1 2" appears on the left display).
16	CITY1/2	Press this key for setting the difference between CITY 1 or CITY 2 time and GMT.

■ SPECIFICATIONS

Rated voltage:	100V, 120V, 220V, 240V AC
Rated frequency:	50/60Hz
Power consumption:	5W
Time accuracy:	Within ± 10 sec/month (at 25°C)
Dimensions:	216W x 97H x 118D mm
Weight:	1 kg

A product of
TRIO-KENWOOD CORPORATION
6-17, 3-chome, Aobadai, Meguro-ku, Tokyo 153, Japan

TRIO-KENWOOD COMMUNICATIONS, INC.
1111 West Walnut Street, Compton, California 90220, U.S.A.
TRIO-KENWOOD COMMUNICATIONS, GmbH
D-6374 Steinbach TS Industriestrasse 8A, West Germany
TRIO-KENWOOD (AUSTRALIA) PTY. LTD.
30 Whiting Street, Artarmon, Sydney, N.S.W. Australia 2064

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